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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br><b>PP 953 US</b>           |
|  |  | U.S. APPLICATION NO. <b>10/562164</b> (see 37 CFR 1.5) |
| INTERNATIONAL APPLICATION NO.<br><b>PCI/US2004/020068</b>  | INTERNATIONAL FILING DATE<br><b>24-JUNE-2004</b> | PRIORITY DATE CLAIMED<br><b>24 JUNE 2003</b>           |
| TITLE OF INVENTION<br><b>DNA SEQUENCES, PEPTIDES, ANTIBODIES AND VACCINES</b>  |  |  |
| APPLICANT(S) FOR DO/EO/US<br><b>HOFFMAN et al.</b>   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <b>PUB WO 2005/016247</b></p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under <b>PCT Article 19 (35 U.S.C. 371(c)(3))</b> <b>as preliminary amendment</b></p> <p>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> |  |  |

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|   |                                     |   |         |                          |              |
|---|-------------------------------------|---|---------|--------------------------|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)   |                                     | INTERNATIONAL APPLICATION NO.   |         | ATTORNEY'S DOCKET NUMBER |              |
| 10/562164   |                                     | PCT/US2004/020068   |         | PP 953 US                |              |
| 20. Other items or information:<br><div style="font-size: 1.2em; margin-top: 10px;">SELF ADDRESSED POST CARD</div>  |                                     |   |         |                          |              |
| The following fees have been submitted  |                                     |   |         | CALCULATIONS             | PTO USE ONLY |
| 21.   | <input checked="" type="checkbox"/> | Basic national fee (37 CFR 1.492(a)).....                                     | \$300   | \$ 150                   |              |
| 22.   | <input checked="" type="checkbox"/> | Examination fee (37 CFR 1.492(c))   |         | \$ 100                   |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....   |                                     |   |         | \$0                      |              |
| All other situations.....   |                                     |   |         | \$200                    |              |
| 23.   | <input checked="" type="checkbox"/> | Search fee (37 CFR 1.492(b))  |         | \$ 50                    |              |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....  |                                     |   |         | \$0                      |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....  |                                     |   |         | \$100                    |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....   |                                     |   |         | \$400                    |              |
| All other situations.....   |                                     |   |         | \$500                    |              |
| TOTAL OF 21, 22 and 23 =  |                                     |   |         | 300                      |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |                                     |   |         |                          |              |
| Total Sheets  | Extra Sheets                        | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE    |                          |              |
| - 100 =   | /50 =                               |   | x \$250 | \$                       |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |                                     |   |         | \$                       |              |
| CLAIMS  | NUMBER FILED                        | NUMBER EXTRA  | RATE    | \$                       |              |
| Total claims  | 22 - 20 =                           | 2   | x \$ 50 | \$ 50                    |              |
| Independent claims  | 2 - 3 =                             | 0   | x \$200 | \$ 0                     |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |                                     |   | + \$360 | \$                       |              |
| TOTAL OF ABOVE CALCULATIONS =   |                                     |   |         | \$ 300                   |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |                                     |   |         |                          |              |
| SUBTOTAL =  |                                     |   |         | \$ 350                   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |                                     |   |         | \$                       |              |
| TOTAL NATIONAL FEE =  |                                     |   |         | \$ 350                   |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |                                     |   |         | \$                       |              |
| TOTAL FEES ENCLOSED =   |                                     |   |         | \$ 350                   |              |
|   |                                     |   |         | Amount to be refunded:   | \$           |
|   |                                     |   |         | Amount to be charged     | \$           |

10/562164

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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JC10 Rec'd PCT/PTO 23 DEC 2005

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

SIGNATURE

NAME

REGISTRATION NUMBER

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of: HOFFMAN et al.

USSN.:

Filed: DECEMBER 23, 2005

Art Unit:

Examiner:

**For: DNA SEQUENCES, PEPTIDES, ANTIBODIES, AND VACCINES FOR  
PREVENTION AND TREATMENT OF SARS**

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TO: THE HONORABLE COMMISSIONER  
FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMISSION LETTER**

Dear Sir:

The Applicants hereby submit PCT/US2004/020068 for National stage filing in the United States under 35 USC§371. The application was published on 24 February 2005 with International publication number WO2005/016247 and a copy is provided herein.

Accompanying the application is a Preliminary Amendment requesting amendment of the Specification to indicate the PCT application from which this application depends, and to substitute the claims of the PCT application with a new claim listing upon which are the initial claims of this application. The new claim listing is additionally provided as a substitution in the publication provided.

As filed, the PCT publication of this application has a Specification of 25 pages, 2 pages of 22 claims (the claims submitted in the preliminary amendment), two of which are independent. The application has 8 illustrations on 8 pages and a Sequence listing of 26 sequences on 15 pages.

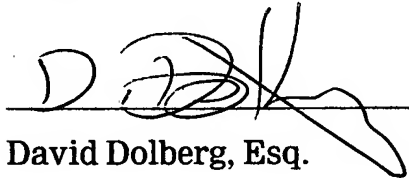
Accompanying the application is a Power of Attorney and Correspondence Address Indication Form signed by Dr. Hoffman, the first inventor, a Transmittal Letter to the United States Designated/Elected Office Concerning a submission Under 35 USC 371, a Utility Patent Application Transmittal, a credit card

10/562164

payment form authorizing payment of \$350, and a self-addressed notification  
postcard.

JC10 Rec'd PCT/PTO 23 DEC 2005

Respectfully submitted,



David Dolberg, Esq.

Patent Registration No. 34,469

December 23, 2005

I hereby certify that this NATIONAL PHASE APPLICATION Transmittal  
and the documents referred to as enclosed therein are being  
deposited with the United States Postal Service on this date: 12-23-2005  
in an envelope as marked "Express Mail Post Office Addressee"

Mailing Label No.: ED 623191137 US

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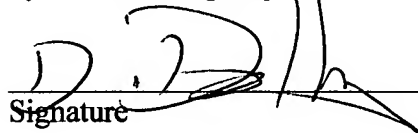
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The Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

By: David Dolberg, Esq.



12-23-2005

Signature

Date

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*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

DD FORM 11-19

*First Inventor*

**HOFFMAN****Title**

DNA SEQUENCES, PEPTIDES, ANTIBODIES

Express Mail Label No.

ED 623191137 US

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria VA 22313-1450**

- ## ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers** (cover sheet & document(s))
- Name of Assignee \_\_\_\_\_
10. ☐ **37 CFR 3.73(b) Statement** ☐ **Power of Attorney**  
(when there is an assignee)
11. ☐ **English Translation Document** (if applicable)
12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)  
☐ Copies of citations attached
13. ☒ **Preliminary Amendment**
14. ☒ **Return Receipt Postcard** (MPEP 503)  
(Should be specifically itemized)
15. ☐ **Certified Copy of Priority Document(s)**  
(if foreign priority is claimed)
16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or equivalent.
17. ☒ Other: **TRANSMIT LETTER TO US**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation

☐ Divisional

☐ Continuation-in-part (CIP)

of prior application No.: .....

**Prior application information:**

**Examiner**

**Art Unit**

## 19. CORRESPONDENCE ADDRESS

- ☒ The address associated with Customer Number: 26991 **OR** ☐ Correspondence address below

Name \_\_\_\_\_

**Address**

City

State

Zip Code

Country

Telephone

Ema

**Signature**

Date \_\_\_\_\_

12/23/2005

Name  
(Print/Type)

DAVID DOLBERG

Registration No.

|                                      |       |
|--------------------------------------|-------|
| Registration No.<br>(Attorney/Agent) | 34469 |
|--------------------------------------|-------|

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*